SPECIFICATIONS

INPUT

VOLTAGE: 100 to 240VAC or 12-24VDC
FREQUENCY: 50/60 Hz (AC models)
POWER CONSUMPTION: 2.5VA (AC models), 2.5W (DC models)
TRANSIENT PROTECTION: MOV

COUNTER INPUT

TYPE: Multifunction
SPEED: 30/sec or 5000/sec
NUMBER OF INPUTS: Two
INPUT METHOD: Isolated contact or transistor

OUTPUT

TYPE: Electromechanical relay or transistor
MECHANICAL LIFE: 10,000,000 operations (Relay only)
ELECTRICAL LIFE:
Relay...100,000 operations minimum (at full rated load)
Transistor...10,000,000 operations minimum
RATING: Relay...5A @ 250VAC (resistive
Transistor...100mA, 30VDC maximum

COUNTING

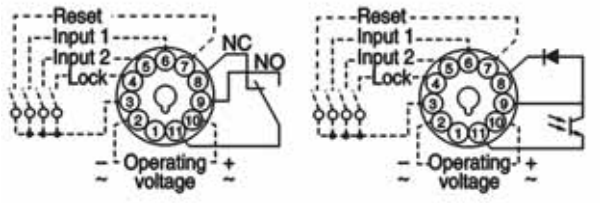
MODES: 7 (programmable)
DISPLAY: 6 digit LCD

PHYSICAL

OPERATING TEMP: -10° to 50° C (14° to 122°F)
MOUNTING: Plug-In or Panel mount
TERMINATION: Relay output - 11 pin socket
Transistor output - 8 pin socket
HOUSING: Polycarbonate

WIRING

Output A **Output C**

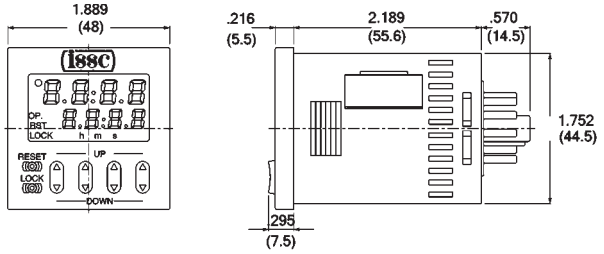


*Polarity indicated for DC models only

Do not apply voltage to pins 5,6,7

Reset and Count inputs accomplished by isolated contact closure.

DIMENSIONS Inches (millimeters)



PROGRAMMING

See page 35 for complete programming instructions

Digital Preset Counter

The 1105C features two 2 input and 5 input functions and a large, 6 digit LCD display. Two input count speeds (30/sec or 5000/sec) can be used to eliminate noise. There are 7 output functions with SPDT relay or optional transistor output. Two power supply options are available, a wide range of 100 to 240 VAC and a 12 to 24VDC only version. A battery back-up maintains memory up to 7 years.

ORDERING DATA

ORDERING CODE **1105C - 1 - P - 3 - A**

BASIC MODEL NUMBER
1105C

INPUT VOLTAGE
1 100-240 VAC
2 12-24VDC

TIME RANGE
P (Includes the following modes)
UP Counts Up
DOWN Counts Down
DIR Directional Count
IND Independent Inputs
PHASE Phased Inputs

TIMING FUNCTION
3 Programmable
Hold A Latched Output/Hold count
Hold B Latched Output/Over count
Hold C Latched (one count)/Over count
Shot A One Shot/Continue count
Shot B One Shot/Reset "On"
Shot C One Shot/Reset "Off"
Shot D One Shot/Hold count

OUTPUT
A Relay SPDT
C Open Collector Transistor (100mA,30VDC)

APPLICABLE ACCESSORIES
See accessory section for details

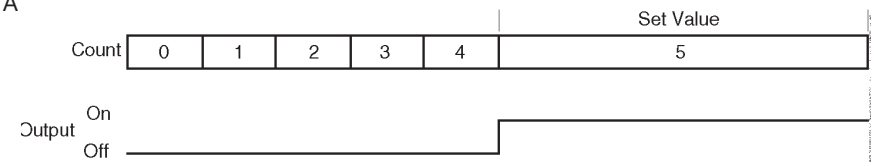
11 pin socket	RP-322
11 pin cable plug	RP-324
Panel mount clip	RP-325 (one included)
Protective cover	RP-326

INPUT OPERATION

INPUT FUNCTION	OPERATION DESCRIPTION
UP Count up to set value	• Input 1 is count input • Input 2 inhibits count input
DOWN Count down from set value	• Input 1 is count input • Input 2 inhibits count input
DIR Directional Count. Count Up or Count Down	• Input 1 is count input • Input 2 controls direction of count. With no input on 2 count is Up. With an input on 2 count is Down.
IND Independent inputs	• Input 1 is Count Up • Input 2 is Count Down
PHASE Phasing of inputs determines count direction	• If Input 1 is phased ahead of Input 2 count is Up • If Input 2 is phased ahead of Input 1 count is Down

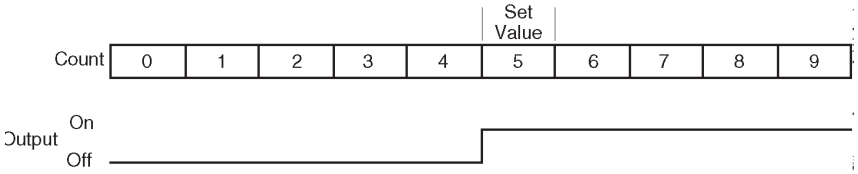
OUTPUT OPERATION

Hold A



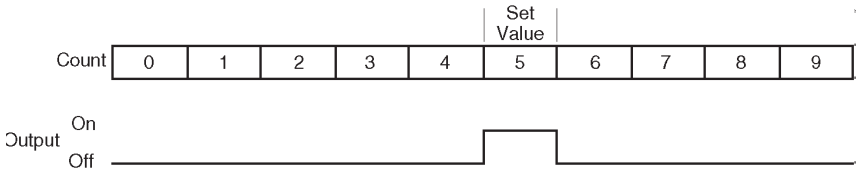
- Upon counting to set value, output latches On and count input is inhibited.
- Output remains on until reset.

Hold B



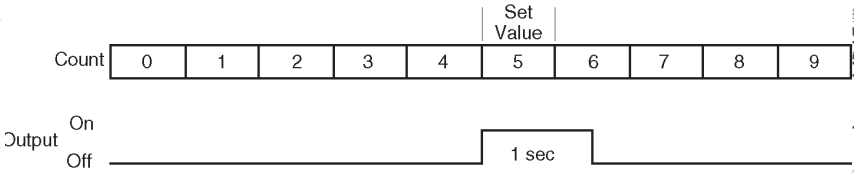
- Upon counting to set value, output latches On but the count continues to increment.
- Output remains on until reset.

Hold C



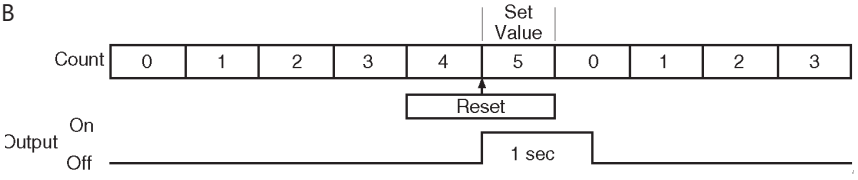
- Upon counting to set value, output turns On.
- Output turns Off at next count following set value
- Count continues to increment.

Shot A



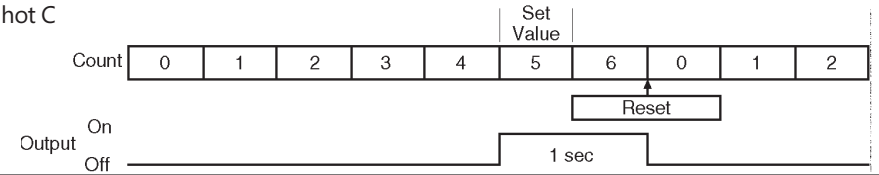
- Upon counting to set value, output turns On for approximately 1 second.
- Count continues to increment.

Shot B



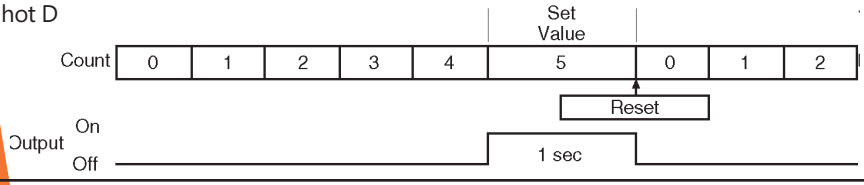
- Upon counting to set value, output turns On for approximately 1 second and the count is automatically reset.
- Count may be continued from this point with no requirement for external reset.

Shot C



- Upon counting to set value, output turns On for approximately 1 second.
- Count automatically resets at the same time the output turns Off.

Shot D



- Upon counting to set value, output turns On for approximately 1 second.
- Count input is inhibited while output is On.
- Count automatically resets at the same time the output turns Off.